08209

FIG. 1

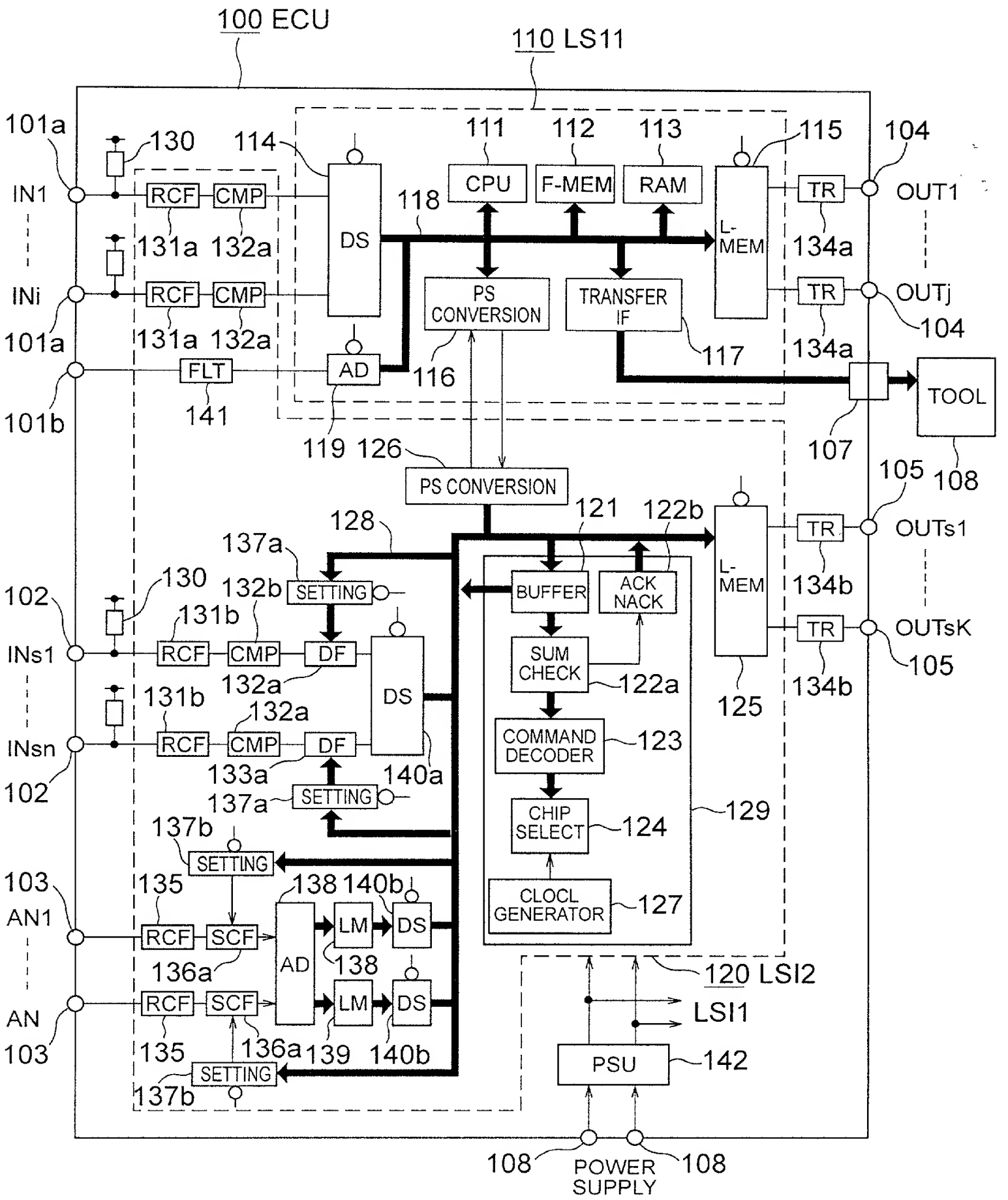
100 ECU
110 LS11
101a
130
114
111
112
113
115
104
IN1
RCF
CMP
118
CPU
F-MEM
RAM
TR
OUT1
131a
132a
DS
L-MEM
134a
INi
PS CONVERSION
TRANSFER IF
OUTj
101a
117
104
FLT
AD
116
TOOL
101b
141
119
126
107
105
108
PS CONVERSION
121
122b
128
137a
130
132b
SETTING
BUFFER
ACK NACK
OUTs1
102
131b
INs1
DF
SUM CHECK
122a
OUTsK
132a
DS
COMMAND DECODER
123
125
134b
INsn
133a
140a
102
CHIP SELECT
124
129
137b
103
135
138
140b
AN1
SCF
LM
136a
120 LSI2
AN
LSI1
139
PSU
142
POWER SUPPLY
108

FIG. 2

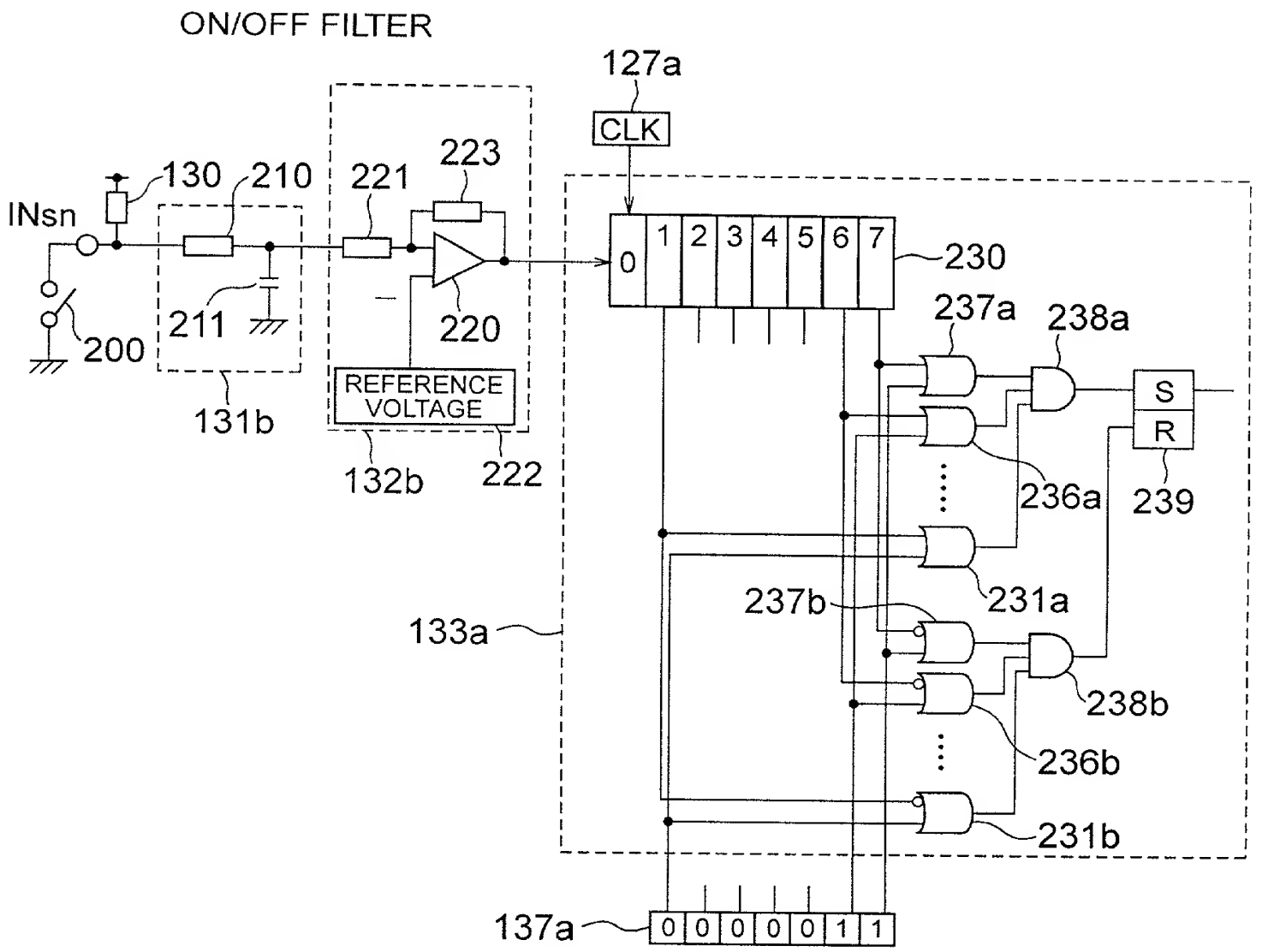
ON/OFF FILTER
127a
CLK
130
210
221
223
INsn
200
211
220
REFERENCE VOLTAGE
131b
132b
222
0 1 2 3 4 5 6 7
230
237a
238a
S
R
239
236a
231a
237b
133a
238b
236b
231b
137a
0 0 0 0 0 1 1

FIG. 3

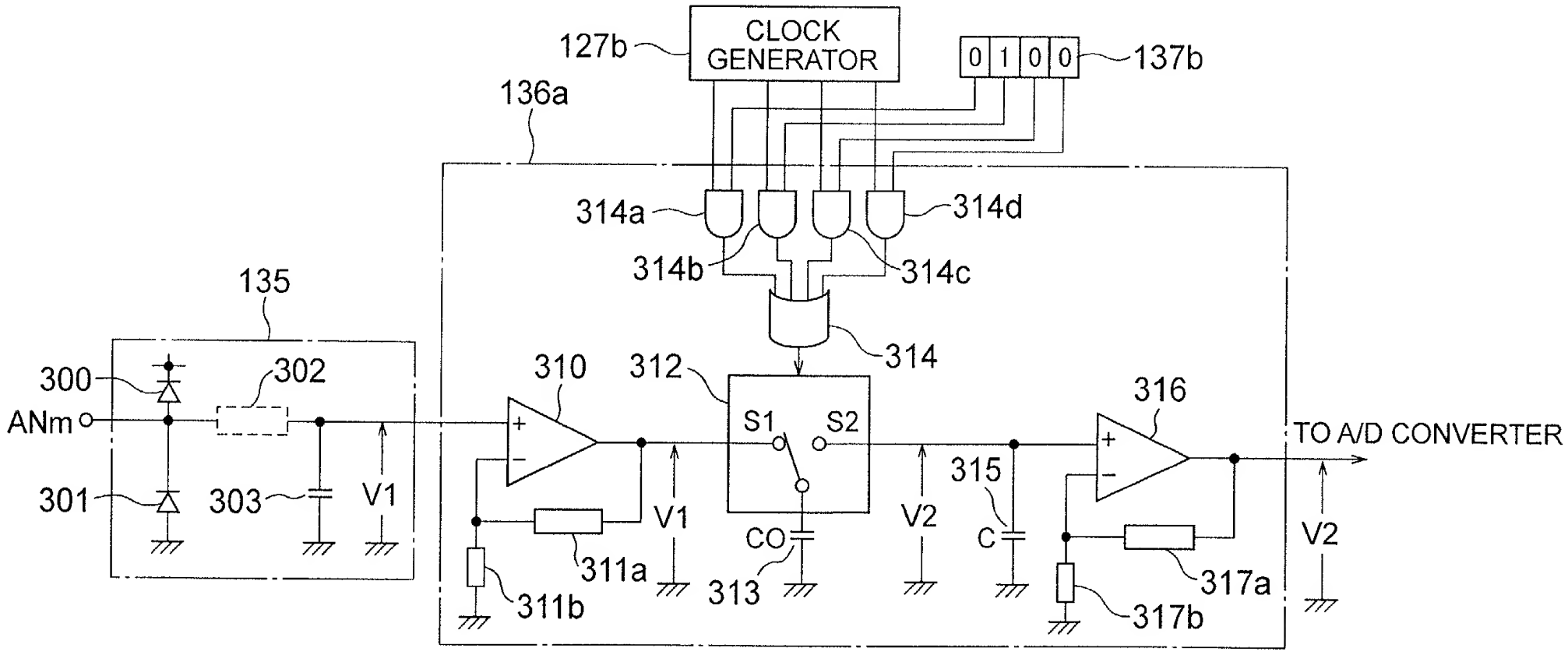

FIG. 4A

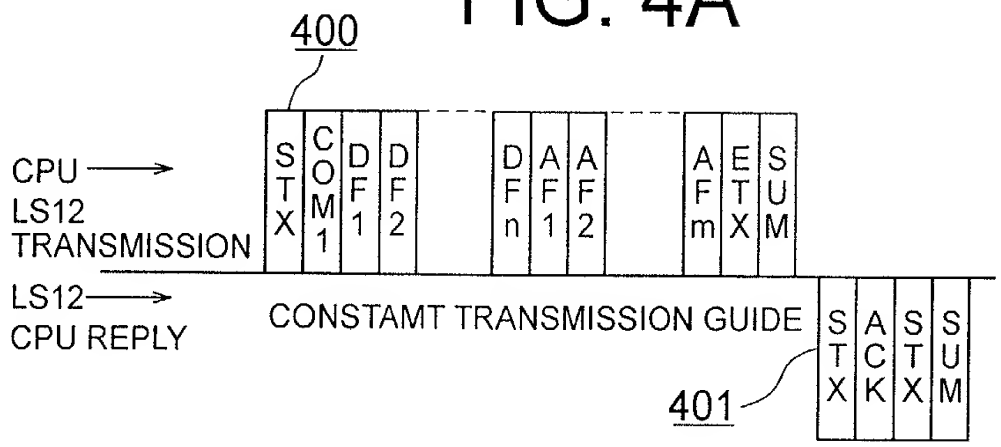

FIG. 4B

FIG. 4C

FIG. 4D

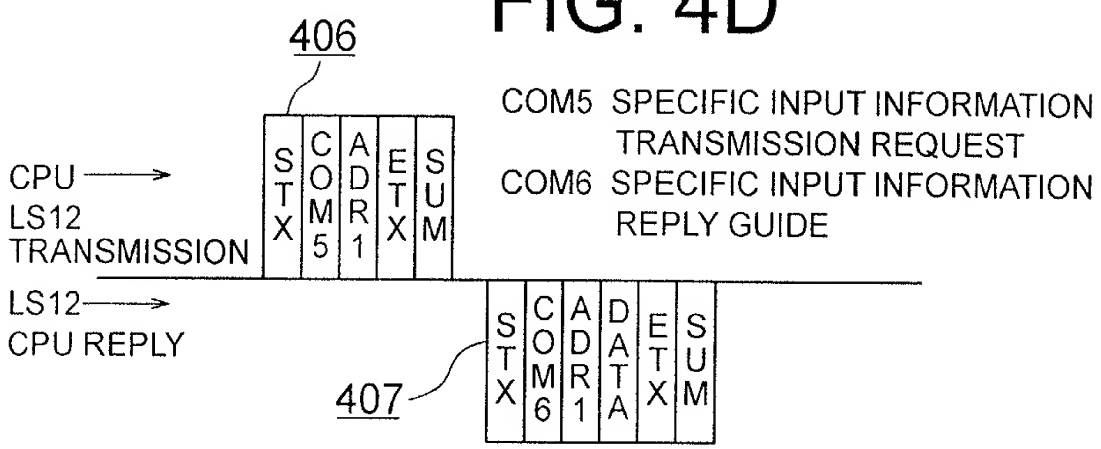

FIG. 4E

FIG. 4F

COM1	10H
COM2	20H~23H
COM3	30H~33H
COM4	40H
COM5	50H
COM6	60H
COM7	70H

STX	55H
ETX	AAH
ACK	81H
NACK	82H

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FIG. 5

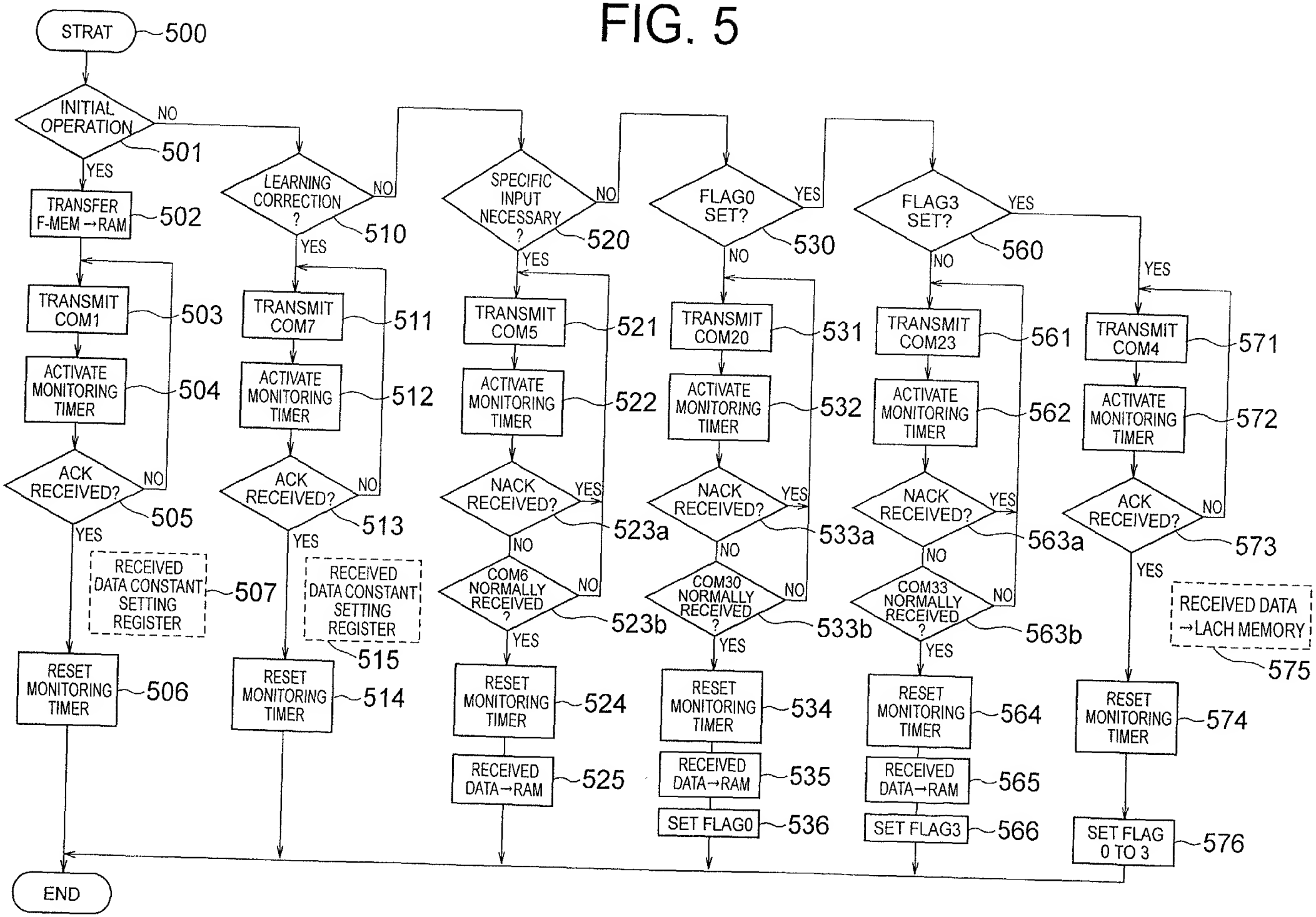


FIG. 6

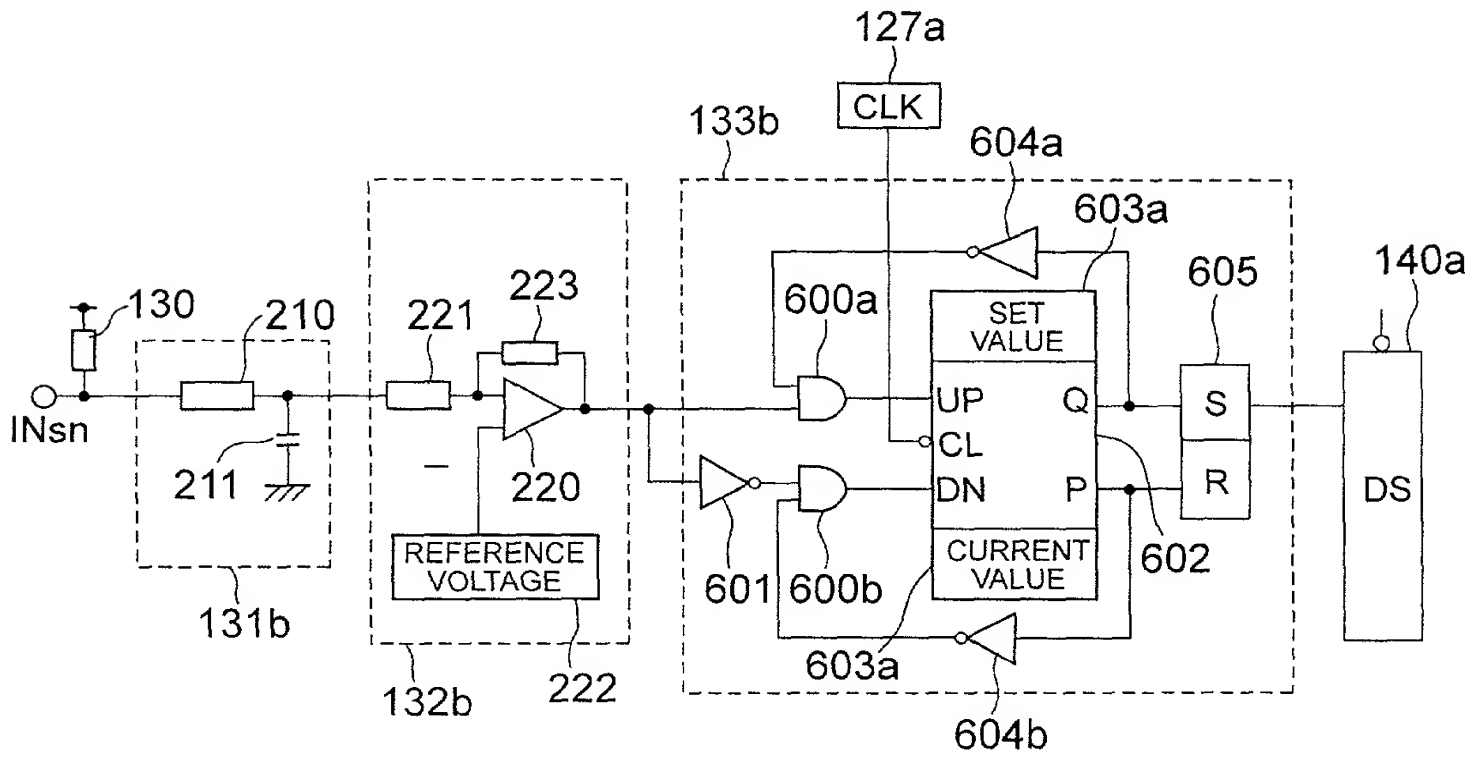

127a
CLK
133b
604a
603a
605
140a
130
210
221
223
600a
SET VALUE
UP
Q
S
INsn
CL
DN
P
R
DS
211
220
REFERENCE VOLTAGE
CURRENT VALUE
602
601
600b
603a
131b
132b
222
604b

FIG. 7

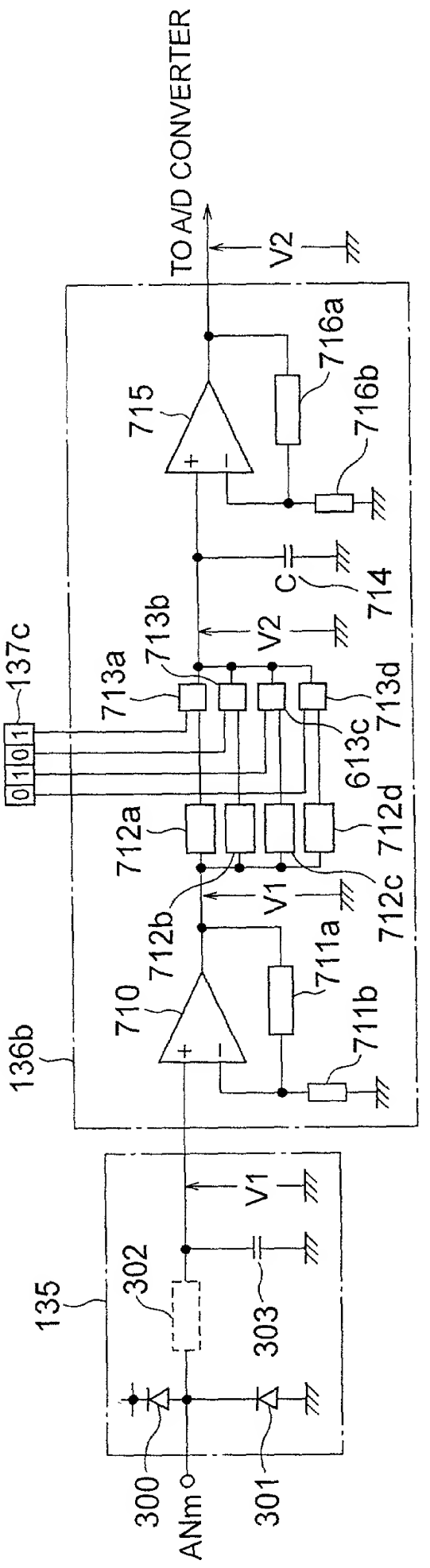
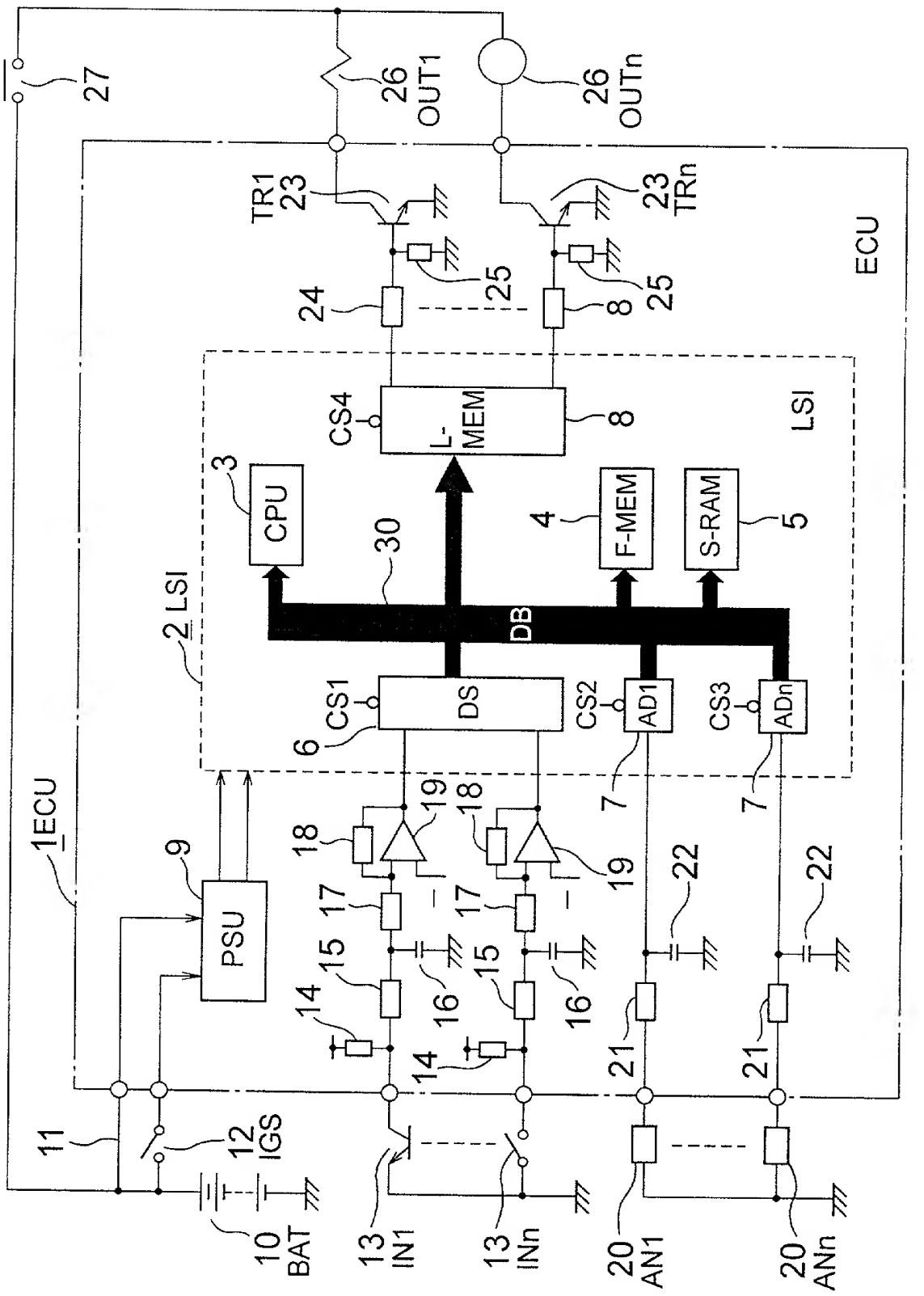

TO A/D CONVERTER
V2
716a
716b
715
C
714
V2
713b
713a
137c
713d
613c
712d
712a
V1
712c
712b
711a
710
711b
136b
135
302
V1
303
300
ANm
301

FIG. 8


27
26 OUT1
26 OUTn
TR1 23
23 TRn
ECU
24
25
8
25
CS4
L-MEM
8
LSI
3
CPU
30
4
F-MEM
S-RAM
5
2 LSI
DB
CS1
DS
CS2
AD1
CS3
ADn
6
7
7
18
19
18
19
17
17
15
15
14
16
16
14
21
21
22
22
1ECU
9
PSU
11
12
IGS
10
BAT
13
IN1
13
INn
20
AN1
20
ANn